

Arboricultural Method Statement & Tree Protection Plan

The Poplars
Cock Bank Lane
Marchwiel
Wrexham
LL13 0SU

Ref:
AMS/PCB/01/23

Date:
11th January 2023

Commissioned by:
Mr D. Edwards
On behalf of
Blueprint Architectural Services LTD

Prepared by
S. Shields

Tree Protection Plan & Arboricultural Method Statement

The Poplars
Cock Bank Lane
Marchweil
Wrexham
LL13 0SU

This Tree Protection Plan and Arboricultural Method Statement has been prepared in accordance with the protocols, standards and procedures set out in BS 5837: 2012 'Trees in relation to design, demolition and construction'.

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Date	Revision	
11 th January 2023		Issued for condition discharge

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- 1.0 Instruction & Introduction**
- 2.0 Approved Development**
- 3.0 Arboricultural Method Statement**

Instruction

- 1.1 Shields Arboricultural Consultancy received instructions from Mr D. Edwards on behalf of Blueprint Architectural LTD. The client or their agents may copy and distribute this report as required for the purpose of applying for planning permission for or preparing any documents or plans for this or future applications at this site.
- 1.2 Planning permission has been conditionally granted to allow the demolition of an existing dwelling and the erection of a replacement dwelling at The Poplars, Cock Bank Lane, Marchweil, Wrexham under planning reference MAR P/2022/0499. This report is provided to discharge condition 4 of this permission. The planning permission is to be in accordance with the approved site drawing H151/007 which is considered in this report.
- 1.3 This Arboricultural Method Statement and Tree Protection Plan provides site specific tree protection details for tree protection measures on the site when implementing the above planning permission.

Approved Development

- 2.1 Planning permission for a replacement dwelling has been granted in accordance with the approved site plan.



Site Operations*Phasing*

Phase	Operation	Tree Protection Measures
Pre-construction	Arboricultural Works	Not Required
Pre-construction	Install Tree Protection Fencing and Ground Protection	Site visit to verify by Supervising Arboriculturalist
Pre-construction	Installation of Site Welfare Facilities	Site visit to verify by Supervising Arboriculturalist (SA)
Preliminary meeting and contractor briefing by SA to explain tree protection measure. Appointment of responsible person to supervise day to day tree protection measures		
Construction Phase One	Demolition of existing dwelling	Site supervision by responsible person
Construction Phase Two	Construction of site access, replacement dwelling and garage.	Site visit by SA
Construction Phase Three	Landscape Planting	Site visit by SA
Construction Phase Four	Completion of on-site work removal of all remaining tree protection fencing and ground protection	Site visit by SA

Details of Plant, Machinery and Heavy Equipment

- Self- contained Oasis Unit (mobile unit) or other welfare facility – to be parked on site;
- Ground Works – 14T 360 Degree excavator including various sized buckets; 9T dumper; Sit on Roller; wacker plate; stihl saw;
- Six wheel wagons – visiting to remove spoil / deliver materials etc;

Arboricultural Method Statement

- 3.1 This arboricultural method statement (AMS) sets out the details of tree protection measures afforded to the retained trees on and adjacent to the site.
- 3.2 This document should be read in conjunction with the Tree Protection Plan ref: PCB/TPP/01/23. The TPP indicates the construction exclusion zone (CEZ) that must be maintained around each retained tree. These areas must remain undisturbed during the construction process and must be protected using suitable fencing or ground protection as specified
- 3.3 Copies of the TPP & the AMS must be available on site and all tree protection requirements explained to all persons undertaking activities on the site during the site induction process.

- 3.4 All tree protection measures must be installed and inspected prior to bringing onto the site any plant, materials or equipment or undertaking any construction works or demolition or any arboricultural works. The LPA must be informed in writing once the tree protection measures are installed.
- 3.5 The site is to be inspected by the consulting arboriculturalist in accordance with the schedule of inspections (see 3.17).
- 3.6 All measurements are given in metric using standard abbreviations.

Fencing and Ground Protection

- 3.7 The TPP indicates the position of all protective fences.
- 3.8 Protective fencing will comprise herras fencing securely fixed to posts or scaffold pole or an alternative as agreed with the Local Planning Authority.
- 3.3 Ground protection not required.
- 3.10 The protective fencing and ground must be inspected on installation and will remain in place until completion of the construction phase and then only removed with the consent of the LPA.
- 3.11 Other than works approved in writing by the LPA, no works including storage or dumping of materials shall take place within the exclusion zones defined by the protective fencing.

General Precautions

- 3.12 No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within 10m of the trunk of a tree that is to be retained or within any part of the CEZ. Spills kits, suitable for the type fluids, fuels and chemicals stored on site must be available on site and site operatives must have training in their use.
- 3.13 No fires will be lit within 20m of the trunk of any tree that is to be retained.
- 3.14 Storage and mixing areas, contactor parking and all site huts must be outside the CEZ.
- 3.15 Access to the work area is via the main site entrance and must not traverse the CEZ.
- 3.16 All service and drainage routes, below or above ground must avoid the CEZ. All services are to be installed in accordance with NJUG volume 4 Guidelines.
- 3.17 To ensure that all tree protection measures are properly installed and maintained the site shall be monitored by Shields Arboricultural Consultancy to the following schedule. Details of the findings and photographic evidence of the site inspection visits will be reported to the LPA by email within 24 hrs of the visit. All tree protection measures must remain in place until development work is completed and only removed after receiving written confirmation from the LPA.

Schedule of Inspection

1. On installation of Tree Protection Fencing
- 3.18 Prior to the commencement on site of any work, a competent person is to be appointed to monitor the day to day activities on site. In the case of a tree being damaged or where an unexpected event arises it will be for this person to contact Shields Arboricultural Consultancy to seek advice on contingency measures.

S.J.A. Shields

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Chartered Forester

11th January 2022

Arboricultural Assessment

Ref. No.	Species	Top Height	Stem Dia mm	N	E	S	W	CC	Age	Rem Cont.	Cat.	RPA m ²	Notes	AIA
T1	Populus nigra 'Italica' (Lombardy Poplar)	25	920	2.5	3.5	3	1	4	M	20+	A2	383	Condition: Good Notes: Forms group with T2 and G3	Will be retained and protected.
T2	Populus nigra 'Italica' (Lombardy Poplar)	25	550	1.6	1.6	1.6	1	4	M	20+	A2	137	Condition: Good Notes:	Will be retained and protected.
G3	Abies grandis (Grand Fir), Picea abies (Norway Spruce)	16	350 Max	3.5	3.5	3.5	3.5	1	M	20+	B2	55	Condition: Fair Notes: Some crown encroachment, would benefit from thinning.	Will be retained and protected.
H4	Acer pseudoplatanus (Sycamore), Crataegus monogyna (Hawthorn), Prunus domestica (Damson), Ilex aquifolium (Holly)	1	50					0	M	20+	C1	1	Condition: Good Notes: Maintained boundary hedge	Will be retained and protected, part cut back for visibility splay.

H5	Acer pseudoplatanus (Sycamore), Crataegus monogyna (Hawthorn), Prunus domestica (Damson), Quercus petraea (Sessile Oak)	6	150					0	M	20+	C1	10	Condition: Good Notes: Overgrown hedge.	Will be retained and protected.
G6	Acer campestre (Field Maple), Crataegus monogyna (Hawthorn), Ilex aquifolium (Holly), Quercus petraea (Sessile Oak)	7	250	3	3	3	3	0	M	20+	C1	28	Condition: Good Notes: Overgrown hedge, becoming group of trees	Will be retained and protected.
T7	Quercus petraea (Sessile Oak)	15	750	7	7	7	7	2.5	V	40+	A3	255	Condition: Good Notes:	Will be retained and protected.
T8	Chamaecyparis lawsoniana (Lawson Cypress)	8	220	2.5	3	3	3	0	EM	20+	C1	22	Condition: Good Notes:	Will be retained and protected.
T9	Acer pseudoplatanus (Sycamore)	15	400	5	4.5	5.7	2	2	M	20+	C1	72	Condition: Good Notes:	Will be retained and protected.
T10	Aesculus hippocastanum (Horse Chestnut)	13	300 220 200	5	4	4	5	1	M	20+	C1	80	Condition: Fair Notes: Multi stem tree.	Will be retained and protected.
H11	Crataegus monogyna (Hawthorn)	1	50	2	2	2	2	0	M	20+	C1	1	Condition: Good	Will be retained and protected,

														Notes: Maintained boundary hedge.	part cut back for visibility splay.
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Notes

BS 5837: 2012 provides the framework through which tree can be categorised in terms of their health, amenity value and long-term viability for retention on a development site. There are four categories, A,B,C & U.

Category A: Trees of high quality with an estimated life expectancy of at least 40 years.

- 1 Trees that are particularly good examples of their species, or essential components of groups or formal arboricultural features.
- 2 Trees, groups or woodlands that provide a definite screening or softening effect to the locality in relation to views into or out of the site, or those of particular visual importance.
- 3 Trees, groups or woodlands of significant conservation, historical, commemorative or other value.

Category B: Trees of moderate quality with an estimated lifespan of at least 20 years

- 1 Trees that might be included in a higher category but are downgraded because of impaired condition.
- 2 Trees present in numbers, usually as groups of woodlands that form distinctive landscape features.
- 3 Trees with clearly identifiable conservation or other cultural benefits.

Category C: Trees of low quality with an estimated lifespan of at least 10 years or young trees with a stem diameter below 150mm.

Category U: Trees in such a condition that they cannot realistically be retained as living in the context of the current land use for longer than 10 years. *NB. Category U trees can have an existing of potential conservation value which it might be desirable to preserve.*

Bat potential has been assessed in accordance with the guidance provided in BS 8596:2015 and is at the level of a non-specialist scoping survey. This assessment is for preliminary advice and does not negate the requirement for a specialist ecological survey

Key

Tag No	Identification number for tree	Species	Species of tree
Top Height	Estimated height of tree	Stem Dia.	Diameter of stem at 1.5 metres
Stems	Number of stems	N, E, S, W	Crown spread at compass points
CC	Crown Clearance	FSB	Direction of first significant branch
Rem. Cont	Remaining safe life expectancy in years	RPA	Root protection area in m ²
Cat.	BS Category (see above)	AIA	Arboricultural Implication Assessment
Age	Y - Young Trees SM Semi Mature EM Early Mature M Mature LM Late Mature exceeds normal life expectancy for species VET Veteran Tree		
Condition	Good Relatively free from defects and / or major pests and diseases Fair Some defects, which could be addressed through tree surgery or minor pests or early symptoms of diseases Poor Substantial defects or terminal decline Dead Dead		

Italicised values: Feature value estimated

Tree Protection Plan
The Poplars
Cock Bank Lane
Marchweil
Wrexham

- Cat A Trees
- Cat B Trees
- Cat C Tree
- Canopy
- RPA
- Hedgerow
- CEZ
- Fencing

Drawing No: PCB/TPP/01/23

Drawn By: S. Shields

Scale: 1:200 @ A2

Date: 11th January 2023

Revision:

Do not scale from this drawing all dimensions to be checked on site

Drawing is colour coded and a monochrome copy should not be relied upon

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